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## ABSTRACT OF THE DISCLOSURE

A method and apparatus for executing instructions in a pipeline processor. The method decreases the latency between an instruction cache and a pipeline processor when bubbles occur in the processing stream due to an execution of a branch correction, or when an interrupt changes the sequence of an instruction stream. The latency is reduced when a decode stage for detecting branch prediction and a related instruction queue location have invalid data representing a bubble in the processing stream. Instructions for execution are inserted in parallel into the decode stage and instruction queue, thereby reducing by one cycle time the length of the pipeline stage.